

Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax (613) 632-5246



Purchasing Receipts

| PO No | Supplier | Line Item No | Rel No | Terms | Purchased Item | Description | For Part No | Project | Equipment ID | Order Qty | Due Date | Received Quantity | Accounting Job No | Container No | Status | Receive Date | Price/Unit | Aging Days | Past Due | Total | Supplier Name |
|----------|-----------|--------------|--------|--------|---------------------|--|-------------|---------|--------------|---------------|-----------|-------------------|-------------------|--------------|--------|--------------|---------------|------------|----------|-------------------|----------------------------|
| P0040841 | ACI001-VC | 1 | 1 | Net 30 | M6061T6S.063 | 6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf | | | | 96 | 8/24/2018 | 96 | | S105486 | Stock | 8/27/2018 | \$ 3.30 / sf | 1 | | \$316.53 | Acier Ouellette Inc. |
| | | 2 | | | M304S16GA | 304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 | | | | 160 | | 160 | | S105487 | Stock | 8/27/2018 | \$ 7.72 / sf | 1 | | \$1,234.59 | Acier Ouellette Inc. |
| | | 3 | | | M304S18GA | 304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 | | | | 128 | | 128 | | S105488 | Stock | 8/27/2018 | \$ 7.62 / sf | 1 | | \$975.61 | Acier Ouellette Inc. |
| | | 5 | | | M303R1.000 | 303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft | | | | 36 | | 36 | | S105837 | Stock | 8/27/2018 | \$ 8.70 / ft | 1 | | \$313.30 | Acier Ouellette Inc. |
| | | 7 | | | M6061T6B1.250X2.000 | 6061T6 Bar 1.250 X 2.000 MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft | | | | 12 | | 12 | | S105838 | Stock | 8/27/2018 | \$ 10.32 / ft | 1 | | \$123.84 | Acier Ouellette Inc. |
| | | | | | | | | | | Total: | | 432 | | | | | | | | \$2,290.23 | |

Plex 8/28/2018 10:26 AM dart.Tollis Andrew



ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Order - Customer

Copy

CO00106417

Billed to

DART AEROSPACE LTD

Shipped to

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Customer N° CL10001056
Date 2018/08/24
Delivery date 2018/08/27
Your order N° PO040841
Processed by Bonnie Fraser
Salesman BONNIE FRASER
Carrier OUELLETTE VALLEYFIELD
Credit Terme Net 30 Days

| Product Description | Weight | Qty | UM | PCS NB | | | Internal Use Only | | | |
|---|--------|--------|-----------|--------|---------|-----|-------------------|---|---|---|
| | | | | CMD | EXP | B/O | IN | I | S | C |
| 1 ALU SHEET .064 (14G) 6061-T6 (4 X 8) FEAL-064486061 3 x 4' x 8' HEAT: 6150987001 A1 | 86.50 | 96.00 | PI2_\$CLB | 0.00 | 3 x 12' | | | | | |
| 2 SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B 5 X 4' X 8' - 2B FINISH HEAT: C270094 | 420.00 | 160.00 | PI2_\$CLB | 0.00 | 5 x 12' | | | | | |
| 3 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 4 X 4' X 8' - 2B FINISH HEAT: 088E A1 | 268.80 | 128.00 | PI2_\$CLB | 0.00 | 4 x 12' | | | | | |
| 4 ROUND SS 1 303 (R) RSS-1303 3 x 12' rdm HEAT: 620M A1 | 96.12 | 36.00 | PI_\$CLB | 0.00 | 3 x 12' | | | | | |
| 5 FLAT ALU 1 1/4 X 2-6061-T6 * FAL-1142 1 X 12' HEAT: Z00247132 A1 | 35.28 | 12.00 | PI_\$CLB | 0.00 | 1 x 12' | | | | | |

Total Weight (LBS) : 906.70 NIR : R-109516-6

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

| | | | | |
|-------------------------|---------------------|----------------------|--------------|------------------------------|
| Prepared By : SU | Verified By : VA | Delivered By : VA | Time 1808 | Customer's Signature 1808 |
| Total (\$CAD) 148.39 | | | | GST 296.04 |
| Deposit 0.00 | | | | PST |
| Balance 3 412.23 | | | | |



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040841

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO040841

PO Date: 8/24/18

Due Date: 8/31/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
AUG 24 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments: quote no. SOU0127397

Items

| Line Item | Job | Part | Supplier Part No | Description | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-----------|-----|------------------|------------------|--|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 1 A | | M6061T6S.063 | | 6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf | Firmed | - | 8/31/18 | 96 sf | 0 sf 96sf | 96 sf | \$3.2971875/sf | \$316.53 |
| | | | | | | | | | | | AUG 27 2018 | |
| 2 | | M304S16GA | | 304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 | Firmed | - | 8/31/18 | 160 sf | 0 sf 160sf | 160 sf | \$7.7161875/sf | \$1,234.59 |
| | | | | | | | | | | | AUG 27 2018 | |
| 3 A | | M304S18GA | | 304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 | Firmed | - | 8/31/18 | 128 sf | 0 sf 128sf | 128 sf | \$7.6219531/sf | \$975.61 |
| | | | | | | | | | | | AUG 27 2018 | |
| 4 | | M304B0.625X3.000 | | 304 Bar .625 X 3.00 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft | Firmed | - | 8/31/18 | 6 ft | 0 ft | 6 ft | \$45.155/ft | \$270.93 |
| 5 A | | M303R1.000 | | 303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft | Firmed | - | 8/31/18 | 36 ft | 0 ft 36ft | 36 ft | \$8.7027/ft | \$313.30 |
| | | | | | | | | | | | AUG 28 2018 | |

| Items | | | | | | | | | | | | |
|---------------|-----|-------------------------|------------------|--|--------|---------|----------|-----------------------|-------------------|---------|--------------------------------|----------------|
| Line Item | Job | Part | Supplier Part No | Description | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
| 6 | | MT-BRONZE-C63000-R2.500 | | Bronze C63000 Round Bar 2.500" : MAT'L AS PER BRONZE C63000 AS PER ANS 4640 OR ASME SB150 OR ASTM B150 OR SAE J461 OR SAE J463 | Firmed | - | 8/31/18 | 2 ft | 0 ft | 2 ft | \$284.475/ft | \$568.95 |
| 7 <i>A</i> | | M6061T6B1.250X2.000 | | 6061T6 Bar 1.250 X 2.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft | Firmed | - | 8/31/18 | 12 ft <i>12 ft</i> | 0 ft | 12 ft | \$10.32/ft | \$123.84 |
| 8 | | MT-4140-R4.500 | | AISI 4140 Round Bar 4.500 Dia. : MATERIAL: AISI 4140 ROUND BAR MINIMUM ROCKWELL C = 20 Rc MAXIMUM ROCKWELL C = 38 Rc SPECIFICATION: ASTM A29, AMS 6349, AMS 6382, AMS 6529 | Firmed | - | 8/31/18 | 3 ft | 0 ft | 3 ft | \$94.4666/ft | \$283.40 |
| | | | | | | | | | | | Grand Total: \$4,087.15 | |

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.



Plex 8/24/18 12:15 PM dart.lavoie.chantal

41167

0101-1111

PA6 1462

Heat: 6150987001

MILL TEST/QUALITY CONTROL CERTIFICATE

ALNAN ALUMINIUM INC.

No.55 TingHong Road Nanning, Guangxi, 530031, China

3

| | | | | | | | | | | | | | | | | | | | | | |
|------------------------|-------------|---|------------------|---------------------|------------------|-----------|-------|--------|-----------|-----------|---------|----------|--------|-------------------------|---------|---------|-----------|-----------|---------|-----------|------|
| CUSTOMER | | ADDRESS | | PRODUCT TYPE | | | | | | | | | | DATE: February 20, 2016 | | | | | | | |
| EMPIRE RESOURCES, INC. | | 2115 LINWOOD AVENUE, 2ND FLOOR, FORT LEE, NJ 07024, USA | | PRIME ALUMINUM COIL | | | | | | | | | | | | | | | | | |
| UNIQUE Lot Number | HEAT Number | Dimension (mm) | Dimension (inch) | Act Thick (mm) | Act Thick (inch) | Weight MT | Alloy | Temper | Al | Cu | Mg | Si | Fe | Mn | Zn | Ti | Cr | Elong (%) | UTS ksi | Yield ksi | |
| Standard | Standard | 0.940-1.626 | 0.037-0.064 | | | | 6061 | T6 | remainder | 0.15-0.40 | 0.2-1.2 | 0.40-0.8 | 0.7max | 0.15max | 0.25max | 0.15max | 0.04-0.35 | 10min | 42.0min | 35.0min | |
| Standard | Standard | 1.651-3.251 | 0.065-0.128 | | | | 6061 | T6 | remainder | 0.15-0.40 | 0.2-1.2 | 0.40-0.8 | 0.7max | 0.15max | 0.25max | 0.15max | 0.04-0.35 | 10min | 42.0min | 35.0min | |
| Standard | Standard | 3.277-6.325 | 0.129-0.249 | | | | 6061 | T6 | remainder | 0.15-0.40 | 0.2-1.2 | 0.40-0.8 | 0.7max | 0.15max | 0.25max | 0.15max | 0.04-0.35 | 10min | 42.0min | 35.0min | |
| 201602200119 | | 6150987001 | 1.608*1219.2 | 0.063*48 | 1.595 | 0.060 | 4193 | 6061 | T6 | remainder | 0.25 | 0.58 | 0.60 | 0.25 | 0.11 | 0.07 | 0.02 | 0.24 | 14.0 | 47.7 | 41.5 |
| The following blank | | | | | | | | | | | | | | | | | | | | | |

ORIGIN OF GOODS AS ALNAN ALUMINIUM INC.

ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPORTS IN IMPERIAL NOMENCLATURE REQUIRED PER SKD

MATERIAL CONFORMS FOR ALLOY 6061, T6, AS PER ASTM B209-10, AMS QQ-A 250/11, AMS 4027 AND ALUMINUM ASSOCIATION STANDARDS-2009 IN ALL ASPECTS.

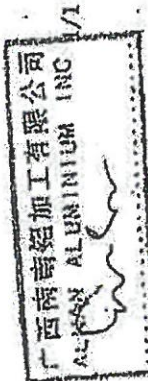
COUNTRY OF MOLT AND MANUFACTURE CHINA

Issued by

QA73

Reviewed by

QA77



41167-0094-1111

3115

SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL 6061-T6/T62T651 ALUMINUM SHEET OR PLATE

SPECIFICATION:
QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR 4027
OR ASTM B209

△ PART NUMBER: M6061T6S XXXI X W.WWW
THK WIDTH

WHERE "XXX" = THICKNESS (IN INCHES)
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)
EG. 0.063" THICK SHEET = M6061T6S.063
EG. 3.5" WIDE BY 0.500" THICK PLATE = M6061T6S.500X3.500

△ PREFERRED SIZE: .XXX BY 4FT BY 8FT FOR SHEET

| | | | |
|------------|---|-----|-----------------------------|
| C | ADD PLATE AND T651 SPEC | ML | 17.12.13 |
| B | REFORMAT DWG. ADD B209 SPEC (ZN DB-1). REF PAR 08-020A | CP | 09.07.13 |
| A | NEW ISSUE | RF | 01.06.08 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | DS | ML | DART AEROSPACE LTD |
| DRAWN | ML | NO | HAWKESBURY, ONTARIO, CANADA |
| CHECKED | JFS | NO | DRAWING NO. |
| MFG. APPR. | HS | CP | M6061T6S |
| APPROVED | CP | CP | TITLE |
| DE APPR. | CP | CP | 6061-T6 SHEET/PLATE SPEC |
| DATE | 17.12.13 | NTS | SCALE |

RELEASED
2018 MAR 13
REV 18-6061

APPROVED

REV. C
SHEET 1 OF 1
COPYRIGHT © 2001 BY DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T65-063
 DATE: 18/08/27

PO / BATCH NO.: P0040841/S105486

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 96sf
 QUANTITY INSPECTED: 96sf
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 0.63"
 THICKNESS RECEIVED: 0.63"
 SHEET SIZE ORDERED: 4'x8'
 SHEET SIZE RECEIVED: 4'x8'

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|---|--------------------|-----|------------|
| SURFACE DAMAGE | Y | N | |
| CORRECT FINISH | Y | N | |
| CORROSION | Y | (N) | |
| CORRECT GRAIN DIRECTION | (Y) | N | |
| CORRECT MATERIAL PER M-DRAWING | (Y) | N | ASTM B209 |
| CORRECT THICKNESS | (Y) | N | |
| PHOTO REQUIRED | Y | N | |
| CORRECT REF # TO LINK CERT | (Y) | N | 6150987001 |
| CORRECT MATERIAL IDENTIFICATION | (Y) | N | |
| CORRECT M# ON THE MATERIAL | (Y) | N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y | N | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y | (N) | |

| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW | | | | | |
|--|-----|-----|-------|-------|---------|
| | HRC | HRB | DUR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | ENGINEERING SIGNOFF (if required) |
|------------------------------------|-------------------------------------|
| INSPECTED BY: _____ DATE: _____ | SIGNED OFF BY: _____ DATE: _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

3425

FESS-18G4830428

51269

TRA-2855



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 231861 2 Mail To: Ship To: Date: 10/26/2016 Page: 1
Customer: 007035 501 Steel: 304 Finish: 2B

Your Order: 781026 NAS Order: EN 0069821 14

PRODUCT DESCRIPTION

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED, UNS 30400
ASTM A240/15b, A480/15, A666/15, ASME SA240/15, SA480/15, SA666/15
CHEM ONLY ON FOLLOWING ASTM: A276/16, A479/16, A484/15, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5513J XMRK, MIL-S-5059D AMEND3 (X CROWN MEAS)
NACE MR0175/ISO 15156-3:2009 A, MR0103/07:QCS766D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1, ROHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DEFRA Compliant

ACTIER OUELLETTE INC. P.O. - AC2438/AC2447 S.O. - 386343

| Product Id | Coil # | Skid # | Thickness | Width | Weight | Length | Mark | Pieces | Commodity Code |
|------------|----------|--------|-----------|---------|-------------|--------|------|--------|----------------|
| 03088E B | 03088E B | | .0480 | 48.0000 | 20,720 COIL | | | 1 | 74261496 |

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

| HEAT | CM | C % | CR % | CU % | MN % | MO % | N % | NI % | P % | S % |
|-------|----|-------|---------|-------|--------|-------|-------|--------|-------|-------|
| 088E | US | .0450 | 18.0445 | .4925 | 1.6575 | .3220 | .0598 | 8.0190 | .0290 | .0010 |
| SI % | | | | | | | | | | |
| .2470 | | | | | | | | | | |

MECHANICAL PROPERTIES

| Product Id# | Coil # | UTS | 20C | YS | 20C | ELONG | % | Hard | RB | Tail | Hard | Grain | No. |
|-------------|----------|-----|--------|-------|-------|-------|-------|-------|----|------|------|-------|-----|
| 03088E B | 03088E B | FT | 100.16 | 52.12 | 47.23 | 88.00 | 84.00 | 10.00 | | | | | |

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

10/26/2016

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M3045186A
 DATE: 18/08/27

PO / BATCH NO.: P0040841/S105488

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 128sf
 QUANTITY INSPECTED: 128sf
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.050"
 THICKNESS RECEIVED: 0.050"
 SHEET SIZE ORDERED: 4'x8'
 SHEET SIZE RECEIVED: 4'x8'

| DESCRIPTION | NCR (Check Y/N) | COMMENTS |
|--|--------------------------------------|-----------|
| SURFACE DAMAGE | Y <input checked="" type="radio"/> N | |
| CORRECT FINISH | <input checked="" type="radio"/> Y N | |
| CORROSION | Y <input checked="" type="radio"/> N | |
| CORRECT GRAIN DIRECTION | <input checked="" type="radio"/> Y N | |
| CORRECT MATERIAL PER M-DRAWING | <input checked="" type="radio"/> Y N | ASTM A240 |
| CORRECT THICKNESS | <input checked="" type="radio"/> Y N | |
| PHOTO REQUIRED | Y <input checked="" type="radio"/> N | |
| CORRECT REF # TO LINK CERT | <input checked="" type="radio"/> Y N | 117088E |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="radio"/> Y N | |
| CORRECT M# ON THE MATERIAL | <input checked="" type="radio"/> Y N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y <input checked="" type="radio"/> N | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y <input checked="" type="radio"/> N | |

| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW | | | | | |
|--|-----|-----|-------|-------|---------|
| | HRC | HRB | DUR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | ENGINEERING SIGNOFF (if required) |
|--|-------------------------------------|
| INSPECTED BY: <u>AI</u> DATE: <u>18/08/27</u> | SIGNED OFF BY: _____ DATE: _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/16 SS SHEET
ANNEALED

SPECIFICATION:

MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240

FINISH:

FINISH IDENTIFIER
DART M-NUMBER IDENTIFIER
1P
2D
NONE
3P
4P
6P
7P
8P

PART NUMBER:

M304S1TT GA #P
[GA]

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

| GAUGE | NOM. THICK. (IN) | THICKNESS RANGE (IN) |
|-------|---------------------|-------------------------|
| 26 | 0.01875 | 0.0178 - 0.019 |
| 25 | 0.021875 | 0.0199 - 0.023 |
| 24 | 0.025 | 0.024 - 0.026 |
| 23 | 0.028125 | 0.027 - 0.029 |
| 22 | 0.03125 | 0.030 - 0.032 |
| 21 | 0.034375 | 0.033 - 0.035 |
| 20 | 0.0375 | 0.036 - 0.040 |
| 19 | 0.04375 | 0.041 - 0.046 |
| 18 | 0.050 | 0.047 - 0.052 |
| 17 | 0.05625 | 0.053 - 0.058 |
| 16 | 0.0625 | 0.059 - 0.065 |
| 15 | 0.0703125 | 0.066 - 0.072 |
| 14 | 0.078125 | 0.073 - 0.083 |
| 13 | 0.08375 | 0.084 - 0.096 |
| 12 | 0.108375 | 0.099 - 0.114 |
| 11 | 0.125 | 0.115 - 0.130 |
| 10 | 0.140625 | 0.131 - 0.145 |
| 9 | 0.15625 | 0.146 - 0.160 |
| 8 | 0.171875 | 0.161 - 0.176 |
| 7 | 0.1875 | 0.182 - 0.194 |
| 6 | 0.2031 | 0.194 - 0.212 |
| 5 | 0.2188 | 0.201 - 0.228 |
| 4 | 0.2344 | 0.225 - 0.243 |
| 3 | 0.2500 | 0.238 - 0.262 |
| 2 | 0.2656 | 0.254 - 0.278 |
| 1 | 0.2813 | 0.269 - 0.293 |
| 0 | 0.3125 | 0.301 - 0.325 |

RELEASED
2015 FEB 04
ECN 15-322 q

| | | | |
|------------|--|--|--------------|
| D | ADDED GAUGES D-7. | AJS | 15 01 06 |
| C | DEFINED FINISH OPTION (ZB C8) AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (ZB B5). | MB | 12 09 20 |
| B | REFORMAT DWG. ADD ASTM/ASME SPECS (ZB D8-1). ADD GAUGE REF (C8-1). REF PAR 08-020A | CP | 09 06 01 |
| A | NEW ISSUE | DS | 01 09 24 |
| REV | DESCRIPTION | BY | DATE |
| DESIGN | DS | DART AEROSPACE LTD | |
| DRAWN | AJS | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO. | REV. D |
| MFG. APPR. | | M304S | SHEET 1 OF 1 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | 304/316 SS SHEET | NTS |
| DATE | 15.01.06 | COPYRIGHT © 2001 BY DART AEROSPACE LTD | |

4519

RSS-1303

51432

14556



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 371391 11

Customer: 007080 003

Date: 1/15/2018 Page: 1

Steel: 303

Finish: CD

Corrosion:

Your Order: MM6001

NAS Order: IN 0257533 09 Heat Treat Code: 44,554

Red Ratio: 69.4 :1

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30300, ASTM A582/12 EN 10204 3.1, ASTM A484/16
AMS 5640V TYPE 1, Q38-7643 CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN, ASTM F899/12b

REMARKS:

COMPLIES W/REQUIREMENTS OF IFAR 252-225-7009 EU DIRECTIVE
2011/95/EU-ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

| Product Id | Size | Weight | Length | Mark | Pieces | Commodity Code |
|------------|--------|--------|--------|------|--------|----------------|
| BJ1762 6 | 1.0000 | 1.073 | 144.00 | 11 | 1 | |

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

| Heat | C % | CO % | CR % | CU % | MN % | MO % | N % | NI % | P % |
|------|-------|------|-------|------|------|------|------|------|------|
| 6204 | .026 | .09 | 17.11 | .31 | 1.92 | .268 | .036 | 8.53 | .031 |
| | S % | SI % | | | | | | | |
| | .3350 | .37 | | | | | | | |

MECHANICAL PROPERTIES

| Product Id | 1/4 O.D. No. | HB | .2YS KSI | UTS KSI | RA % | ELONG % 4D |
|------------|--------------------|-------|-------------|------------|---------|---------------|
| BJ1762 6 | R L | 224.0 | 80.28 | 106.52 | 34.99 | 25.11 |

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

[Signature]

KRIS LARK

1/15/2018

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:

PART NUMBER:

ASTM A582

M303R0.750
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750

RELEASED
R 2010-02-02
NR

| | | | |
|------------|---|----|----------|
| B | REFORMAT DWG. ADD SPECS (ZN D8-1). REF PAR 08-020A | CP | 10.01.05 |
| A | NEW ISSUE | DS | 01.12.20 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | | | |
| DRAWN | | | |
| CHECKED | | | |
| MFG. APPR. | | | |
| APPROVED | | | |
| DE APPR. | | | |
| DATE | 10.01.05 | | |

| | |
|---|---------------|
| DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWING NO. | M303R |
| TITLE | 303 ROUND BAR |
| SCALE | NTS |
| COPYRIGHT © 2001 BY DART AEROSPACE LTD | |

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303R1.000
DATE: 18/08/28

PO / BATCH NO.: P0040841/5105837

MATERIAL CERT REC'D: Yes
QUANTITY RECEIVED: 36ft
QUANTITY INSPECTED: 36ft
QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000"
THICKNESS RECEIVED: 1.000"
SHEET SIZE ORDERED: -
SHEET SIZE RECEIVED: -

| DESCRIPTION | NCR (Check Y/N) | COMMENTS |
|--|---------------------------------------|-----------|
| SURFACE DAMAGE | Y <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> N | |
| CORROSION | Y <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> N | |
| CORRECT MATERIAL PER M-DRAWING | <input checked="" type="checkbox"/> N | ASTM A582 |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> N | |
| PHOTO REQUIRED | Y <input checked="" type="checkbox"/> | |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> N | LT: 620M |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> N | |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y <input checked="" type="checkbox"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW | | | | | |
|--|-----|-----|-------|-------|---------|
| | HRC | HRB | DUR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | ENGINEERING SIGNOFF (if required) |
|-------------------------|-----------------------------------|
| INSPECTED BY: <u>DL</u> | SIGNED OFF BY: _____ |
| DATE: <u>18/08/28</u> | DATE: _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

KAISER ALUMINUM FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Best in Class

Heat: Z00247132

| | | | | | |
|-------------------------------------|-------------------------|------------------------------------|---------------------------------|---|----------------------|
| CUSTOMER PO NUMBER: 4500863587-1 | | CUSTOMER PART NUMBER: 160001442 | | PRODUCT DESCRIPTION: 1.250 X 2.000 SC RECT BAR | |
| KAISER ORDER NUMBER: 6047062 | LINE ITEM: 001 | SHIP DATE: 02/02/2018 | KAISER LOT NUMBER: Z00247132 | ALLOY: 6061 | TEMPER: T6511 |
| WEIGHT SHIPPED: 988.000 LB | QUANTITY: 28.000 PCS | B/L NUMBER: 621690 | DIAM/DAF/THKNS: | WIDTH: | LENGTH: 12.000 FT |
| SHIP TO: | | | SOLD TO: | | |

Actual Physical Properties

| REFERENCE | DASH# | SAMPLE# | UTS (KSI) | YTS (KSI) | ELONG% | HARDNESS | CONDUCT. | BEND |
|-----------|-------|---------|-----------|-----------|--------|----------|----------|------|
| Z00247132 | 0001 | 0001 | 44.8 | 39.6 | 17.0 | RE 90 | N/A | N/A |
| Z00247132 | 0001 | 0002 | 52.7 | 49.2 | 16.9 | RE 93 | N/A | N/A |
| Z00247132 | 0001 | 0003 | 44.3 | 39.7 | 12.4 | RE 93 | N/A | N/A |
| Z00247132 | 0001 | 0004 | 44.3 | 39.1 | 14.4 | RE 91 | N/A | N/A |
| Z00247132 | 0001 | 0005 | 44.7 | 39.7 | 18.8 | RE 92 | N/A | N/A |
| Z00247132 | 0001 | 0006 | 45.4 | 40.3 | 15.8 | RE 92 | N/A | N/A |

Chemical Composition (wt%), Aluminum Remainder

| LIMITS | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Pb | Bi | Zr | Ea | Tot |
|---------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|
| Maximum | 0.80 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.25 | 0.15 | NA | NA | NA | 0.05 | 0.15 |
| Minimum | 0.40 | 0.00 | 0.15 | 0.00 | 0.80 | 0.04 | 0.00 | 0.00 | NA | NA | NA | 0.00 | 0.00 |
| 108136 | .62 | .25 | .22 | .09 | .83 | .07 | .05 | .02 | .00 | .00 | .00 | .01 | .03 |

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00320040

Kaiser Order Number: 6047062

Line Item: 001

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

B

PART NUMBER: M6061T6B | T TTT | X | WW WWW | THICK | WIDTH

WHERE "T TTT" = THICKNESS IN INCHES
"WW WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
R 2009-08-03
MAD

| | | | |
|------------|--|----|----------|
| B | REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/221 (Zn17-1) | CP | 09 07 13 |
| A | NEW ISSUE | DS | 01 06 08 |
| REV | DESCRIPTION | BY | DATE |
| DESIGN | DS | | |
| DRAWN | | | |
| CHECKED | | | |
| MFG. APPR. | | | |
| APPROVED | | | |
| DE APPR. | | | |
| DATE | 09.07.13 | | |

| | |
|--|--------------|
| DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWING NO. M6061T6B | REV. B |
| TITLE 6061-T6 BAR | SHEET 1 OF 1 |
| SCALE | NTS |
| COPYRIGHT © 2001 BY DART AEROSPACE LTD. THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED FOR THE PURPOSES FOR WHICH IT WAS ISSUED AND NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. | |

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 B1.250x2.000
 DATE: 18/08/28

PO / BATCH NO.: P0040841 / S105838

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12ft
 QUANTITY INSPECTED: 12ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.250"
 THICKNESS RECEIVED: 1.250"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

| DESCRIPTION | NCR (Check Y/N) | COMMENTS |
|--|--------------------------------------|----------------------|
| SURFACE DAMAGE | Y <input checked="" type="radio"/> N | |
| CORRECT FINISH | <input checked="" type="radio"/> Y N | |
| CORROSION | Y <input checked="" type="radio"/> N | |
| CORRECT GRAIN DIRECTION | <input checked="" type="radio"/> Y N | |
| CORRECT MATERIAL PER M-DRAWING | <input checked="" type="radio"/> Y N | <u>A STM B221</u> |
| CORRECT THICKNESS | <input checked="" type="radio"/> Y N | |
| PHOTO REQUIRED | Y <input checked="" type="radio"/> N | |
| CORRECT REF # TO LINK CERT | <input checked="" type="radio"/> Y N | <u>MT: 200247132</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="radio"/> Y N | |
| CORRECT M# ON THE MATERIAL | <input checked="" type="radio"/> Y N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y <input checked="" type="radio"/> N | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y <input checked="" type="radio"/> N | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW | | | | | |
|--|-----|-----|-------|-------|---------|
| | HRC | HRB | DUR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | ENGINEERING SIGNOFF (if required) |
|--|-------------------------------------|
| INSPECTED BY: <u>AT</u> DATE: <u>18/08/28</u> | SIGNED OFF BY: _____ DATE: _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in